



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/575,310

04/11/2006

Rolf Dupper

PD030106

3786

24498

7590

12/12/2008

Joseph J. Laks

Thomson Licensing LLC

2 Independence Way, Patent Operations

PO Box 5312

PRINCETON, NJ 08543

EXAMINER

GARCIA, CARLOS E

ART UNIT

PAPER NUMBER

2627

MAIL DATE

DELIVERY MODE

12/12/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/575,310	Applicant(s) DUPPER ET AL.	
	Examiner CARLOS E. GARCIA	Art Unit 2627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 August 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>6/06/2008</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless – (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-2 and 6-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Lee (US 5,825,746).

Re claims 1 and 6: Lee discloses a turntable (composed of elements 23-28 as shown in Fig.5) for a drive for storage media in disc form (as shown in Fig.3), with a bore (central opening in element 27, for example in Fig.5) for receiving a motor shaft 22' of a drive motor 22, wherein the diameter of the bore is greater (inherently bore diameters of any portion placed on a rotating shaft must be at least slightly larger than the shaft diameter; see Fig.6), at least in a partial region of the bore (such as for element 26), than the diameter of the motor shaft, so that there is a gap (seen in Fig.6) between the wall of the bore and the motor shaft (as shown in Fig.6), and wherein the turntable comprises at least a first part 23 mounted on the motor shaft, which is fixed in relation to an axis of rotation of the motor shaft, and a second part 26, whose inclination and/or the position in relation to the axis of rotation of the motor shaft is adjustable (as shown in Fig.8-9; described in col.5, lines 16-50; the position of element 26 is moved in relation to the motor shaft), the first part and the second part being arranged such that there is a gap between the first and the second part (as shown in Fig.5).

Art Unit: 2627

Re claim 2: Lee further discloses the bore is substantially cylindrical (Fig.5).

Re claims 7 and 8: Both method claims are rejected for the same reasons as above.

Additionally, the step limitation of “**permanently fixing** either the motor shaft in the bore of the turntable”, or, “**permanently fixing** the second part of the turntable on the motor shaft and/or on the first part of the turntable”; is considered inherent to the manufacturing process of the turntable assembly, since such element/s would require a secure and proper fixation to either elements as claimed, for proper operation of the disc drive, after the turntable assembly is completed.

Re claims 9 and 10: Lee further discloses having the turntable as set forth above with respect to claims 1 and 6 further include a device for reading from and/or writing to recording media in disc form (in Fig.3).

3. Claims 1-5 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Matsushima (US 6,005,311).

Re claim 1: Matsushima discloses a turntable 9 for a drive for storage media in disc form (as shown in Fig.3), with a bore (as shown in Fig.1) for receiving a motor shaft 6 of a drive motor (see Fig.1), wherein the diameter of the bore is greater (inherently bore diameters of any portion placed on a rotating shaft must be at least slightly larger than the shaft diameter; see Fig.1), at least in a partial region of the bore (in Fig.1; the bore of the turntable shown is to be greater in diameter in both the top and bottom sections), than the

Art Unit: 2627

diameter of the motor shaft, so that there is a gap (conic gap) between the wall of the bore and the motor shaft (in Fig.1), and an inclination and/or the position of the turntable is adjustable in relation to the axis of rotation of the motor shaft (inherently, the position of the turntable must be adjustable since as shown in Fig.1, the shaft must be properly secured for proper operation of the disc drive).

Re claim 2: Matsushima further discloses the bore is substantially cylindrical (as shown in Fig.1).

Re claim 3: Matsushima further discloses the bore has an annular constriction, the diameter of which corresponds substantially to the diameter of the motor shaft (as shown in Fig.1 the center sections are smaller in diameter than top and bottom portions).

Re claim 4: Matsushima further discloses the bore is substantially conical (either top or bottom portions of the bore in turntable appear conical in shape in Fig.1).

Re claim 5: Matsushima further discloses the diameter of the bore at the narrowest point of the bore corresponds substantially to the diameter of the motor shaft (Fig.1).

Re claim 7: This method claim is rejected for the same reasons as above such as for claim 1. Additionally, the step limitation of “**permanently fixing** the motor shaft in the bore of the turntable” is considered inherent to the manufacturing process of the turntable

Art Unit: 2627

assembly, since such element/s would require a secure and proper fixation to either elements as claimed, for proper operation of the disc drive, after the turntable assembly is completed.

Response to Arguments

4. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos E. Garcia whose telephone number is 571-270-1354. The

Art Unit: 2627

examiner can normally be reached on 8:30 am to 5:00 pm, Monday thru Thursday and 8:30 to 4:00 pm, Fridays. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrea Wellington can be reached on 571-272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Carlos E Garcia/
Examiner, Art Unit 2627

12/13/2008

/Andrea L Wellington/
Supervisory Patent Examiner, Art Unit 2627